

SECTION V.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

By C. FITZHUGH TALMAN, Professor in charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Angenheister, Gustav.

Die luftelektrischen Beobachtungen am Samoa-Observatorium 1912-13. 16 p. 8°. (Aus den Nachrichten der K. Gesell. der Wissenschaften zu Göttingen. Math.-phys. Kl. 1914.)

Australia. Commonwealth bureau of meteorology.

Rain map of Australia for the year 1913. [Melbourne. 1914.] 56 x 64 cm.

Bavaria. K. Meteorologische Centralstation.

Deutsches meteorologisches Jahrbuch für 1913. München. 1914. v. p. f°.

Canada. Meteorological service.

Report, 1910. Ottawa. 1914. 2 v. 4°.

Chile. Instituto central meteorológico y geofísico.

Anuario meteorológico de Chile. Primera parte (30 estaciones in extenso). 1912. [Spanish and German text.] Santiago de Chile. 1914. vii, 361 p. f°.

Conference of the directors of the weather services of the Far East.

Report of proceedings of the Conference . . . held at Tokyo, Japan, May 12-18, 1913; published by the Central meteorological observatory of Japan. Tokyo. 1913. 48 p. 7 pl. 8°. [Deals with the discussion and adoption of uniform storm-warning and weather-telegram codes for the Far East.]

Dalgado, D. G.

The climate of Portugal and notes on its health resorts. Lisbon. 1914. xxiv, 479 p. 6 maps. 8°.

Frankfurt. Physikalischer Verein.

Berichte des Meteorologisch-geophysikalischen Institutes und seines Taunus-Observatoriums. Nr. 1. 1913. Braunschweig. 1914. 75 p. 5 pl. map. f°.

Granada. Observatorio meteorológico de Cartuja.

Boletín anual, 1909. Granada. 1913. 69 p. f°.

Great Britain. Advisory committee for aeronautics.

Technical report, 1912-13. (With appendices.) London. 1914. 416 p. 8°.

Hamberg, Hugo Emanuel.

Storleken av temperaturens dagliga variation på den Skandinaviska halvön. Grandeur de la variation diurne de la température dans la péninsule Scandinaire. [Swedish and French text.] Uppsala. 1914. 71 p. 30 pl. f°. (Bihang till Meteorologiska iakttagelser i Sverige, vol. 54, 1912.)

Havana (Cuba). Observatorio del Colegio de Belén.

[Observaciones meteorológicas.] Año de 1913. Habana. 1914. v. p. f°.

Hellmann, Gustav.

Beiträge zur Geschichte der Meteorologie. Nr. 1-5. Berlin. 1914. 147 p. 4°. (Veröff. des K. Preuss. meteorologischen Instituts, Nr. 273.)

Hesse. Grossherzogliches hydrographisches Bureau.

Niederschlagsbeobachtungen, 1913. 13. Jahrgang. Darmstadt. 1914. 51 p. f°.

Hongkong. Royal observatory.

Report of the director, 1913. Hongkong. 1914. 11 p. 8°.

Humphreys, William Jackson.

The thunderstorm and its phenomena. [Abstract.] (In Current news, published by the Philadelphia electric co. Philadelphia. April, 1914. v. 9, no. 3, p. 178-189. 8°.)

Ihne, Egon.

Phaenologische Mitteilungen, Jahrgang 1913. Darmstadt. 1914. 48 p. 8°. (Arbeiten der Landwirtschaftskammer für das Grossherzogtum Hessen, Heft Nr. 16.)

India. [Meteorological department.]

Memorandum on the meteorological conditions prevailing before the advance of the southwest monsoon, by Gilbert T. Walker. Simla. 1914. 4 p. f°.

Indo-China. Service météorologique.

Bulletin pluviométrique. Tableaux mensuels, annuels et carte. Année 1913. Phu-Lien. 1914. unp. f°.

International polar commission.

Procès-verbal de la session tenue à Rome en 1913. Bruxelles. 1913. 293 p. 8°. ["Bibliographie antarctique, par J. Denue," p. 25-293,—a classified list including sections on meteorology-climatology, atmospheric electricity, auroras, ice, etc.)

Kiebel, Aurel.

Die Temperatur von Mies. Ein Beitrag zur Kennzeichnung des Klimas der Stadt. [2. Teil.] Pilsen. [1914.] 11 p. 8°. (Aus dem Jahresberichte des K. K. Staats-Ober-Gymnasiums in Mies 1913-1914.)

Kodaikanal and Madras observatories.

Annual report, 1913. Madras. 1914. 23 p. f°.

Livingston, Burton Edward, & Livingston, Grace Johnson.

Temperature coefficients in plant geography and climatology. (With three figures.) 349-375 p. 8°. (Reprint: The botanical gazette, Chicago. v. 56, no. 5. Nov., 1913.)

Lottermoser, E[ckhard].

Beiträge zur Kenntnis der Windverhältnisse über Mittelamerika und seiner Umgebung. 497-511 p. 4°. (Ann. d. Hydr., 41. Jahrg., 1913, Heft 10.)

[McAdie, Alexander G.]

The founder of the Blue Hill observatory. A review of the scientific work of Abbott Lawrence Rotch. Cambridge. 1914. 14 p. front. 4°. (Reprint: Annals of the Astron. observ. of Harvard college, v. 73, pt 1.) [With portrait and list of his writings.]

Massachusetts agricultural experiment station.

A summary of meteorological records [made at the station], 1889 to 1913, inclusive, by J. E. Ostrander. Amherst. [1914.] 121-146 p. 8°. (Bulletin no. 153.)

Mauritius. Royal Alfred observatory.

Annual report, 1912. Mauritius. 1913. 10 p. f°.

The cyclones of 22d February to 8th March, 1913, by A. Walter. Mauritius. 1913. 9 p. map. f°. (Miscellaneous publications, no. 4.)

Meyer, Kirstine.

Die Entwicklung des Temperaturbegriffs im Laufe der Zeiten, sowie dessen Zusammenhang mit den wechselnden Vorstellungen über die Natur der Wärme; übersetzt aus dem Dänischen von Irmgard Kolde. Braunschweig. 1913. 160 p. 8°. (Die Wissenschaften, Band 48.)

Milan. R. Osservatorio astronomico di Brera.

Osservazioni meteorologiche e geofisiche, 1913. Serie 3, volume 5. Milano. 1914. xv, 53 p. 4 pl. 4°.

Mossman, Robert C[ockburn].

Southern hemisphere seasonal correlations. [London.] n. d. 34 p. map. 8°. (Reprint: Symons's meteorological magazine, vol. 48, 1913.)

Mysore. Meteorological department.

Meteorology in Mysore for 1912, being the results of observations at Bangalore, Mysore, Hassan, and Chitaldrug. 20th annual report. Bangalore. 1914. xi, 56 p. 3 pl. f°.

[Norges landbrugshøjskole, Aas.]

Veiret paa Aas og temperaturmalinger i jorden, 1912; ved Elizabeth Stephansen. Kristiania. 1913. 31 p. 8°.

Okada, T., Fujiwhara, S., & Maeda, S.

On thunderstorms as a cause of seiches. [Tōkyō. 1914.] 210-221 p. 4°. (Reprint: Tōkyō sūgaku-buturigakkai kizi, 2d ser., vol. 7, no. 12.)

Ofia (Spain). Colegio Máximo de la Compañía de Jesús.

Observaciones meteorológicas, 1913. Ofia. 1914. unp. 8°.

Osaka. Meteorological observatory.

Annual report, 1913. Osaka. 1914. 2 pts. 8°.

Rey, J.-J.

Sur quelques apparences de la foudre pendant les orages. Tours. 1914. 24 p. 4° (Extrait: Annuaire de la Société météorologique de France, février et mars 1914.)

Saxony. K. Landes-Wetterwarte.

Dekaden-Monatsberichte., 1912. Jahrgang 15. Dresden. 1913. 131 p. 4°.

Deutsches meteorologisches Jahrbuch für 1910. Königreich Sachsen. Mit einer Vorarbeit: Ergebnisse der Erdboden-temperatur-Messungen in Dresden-N. 1907 bis 1910. Dresden. 1913. 214 p. 6 pl. 4°.

Deutsches meteorologisches Jahrbuch für 1912. 1. Hälfte: Ergebnisse der meteorologischen Beobachtungen. Dresden. 1913. 104 p. 4°.

Shinjo, Shinzo.

Meteoreinfälle als Ursache des vermuteten Zurückhaltens der obersten Atmosphäre. Kyoto. [1914.] 14-24 p. 8°. (Memoirs, College of sci. and engin., Kyoto imp. univ., v. 6, no. 2, February, 1914.)

Sonnenblick-Verein.

22. Jahres-Bericht, 1913. Wien. 1914. 41 p. plates. 4°.

Straits Settlements. [Principal civil medical officer.]

Meteorological returns for the year 1913. Singapore. 1914. unp. 4°.

Trabert, Wilhelm.

Neuere Arbeiten auf dem Gebiete der Wettervorhersage. Wien. 1912. 18 p. 12°. (Vorträge zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien, 52. Jahrg., Heft 10.)

Vincent, J[ean].

Traité de météorologie. Bruxelles. 1914. viii, 418 p. 12°.

Wegener, Alfred.

Beobachtungen über atmosphärische Polarisation auf der dänischen Grönland-Expedition unter Hauptmann Koch. (Vorläufige Mitteilung.) 12 p. 2 pl. 8°. (S. A. Sitzber. d. Gesell. z. Beförderung d. gesamten Naturwissenschaften zu Marburg, Nr. 3. 25. Febr., 1914.)

Wegener, Kurt.

Temperatur und Regen in Samoa 1909 und 1910 in gedrängter graphischer Darstellung. 6 p. chart. 8°. (Aus den Nachrichten d. K. Gesell. d. Wissenschaften zu Göttingen., Math.-phys. Kl. 1914.)

RECENT PAPERS BEARING ON METEOROLOGY.

C. FITZHUGH TALMAN, Professor in charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Astronomical observatory of Harvard College. Annals. Cambridge. v. 73. pt. 1. 1914.

McAdie, Alexander [G.]. The founder of the Observatory: A review of the scientific work of Abbott Lawrence Rotch. p. 60-73. [With list of his writings.]

Wells, L. A. Features of the twenty-five years observations [at Blue Hill observatory]. p. 74-76.

Brooks, Charles F. The ice storms of New England. p. 77-84.

British association for the advancement of science. Report. 83d meeting, Birmingham, 1913. London. 1914.

Owens, J[ohn] S[witzer]. Possible methods for measuring the amount of atmospheric pollution. p. 395-396.

Cairo scientific journal. Alexandria. v. 8. May, 1914.

Shaw, H. Knox. A comparison between the climates of the Khedivial observatory and town of Helwan. p. 112-114.

Electric world. New York. v. 64. July 11, 1914.

Electric weather vane. p. 94.

Meteorological society of Japan. Journal. Tokyo. 33d year. June, 1914.

Fujishwara, S. M. Kajima's report on observations with a newly designed anemoscope. p. 28-32.

Nakamura, Katsuji. Observations of horizontal rainbows. p. 25-28. [See this REVIEW, July, 1914.]

Nature. London. v. 93. 1914.

Hepworth, M. W. Campbell. The Gulf stream. p. 441-443. (June 25.)

Whipple, F. J. W. Dynamical units for meteorology. p. 427-428. (June 25.)

Thomson, A. Landsborough. Birds and weather. p. 457-458. (July 2.) [Abstract of paper by A. Defant.]

Aitken, John. Forests and floods. p. 506. (July 16.)

Physical society of London. Proceedings. London. v. 26. pt. 4. June 15, 1914.

Bower, William R. A graphic treatment of cusped wave-fronts and of the rainbow. p. 212-223.

Royal meteorological society. Quarterly journal. London. v. 40. July, 1914.

Gold, Ernest. Barometer readings in absolute units and their correction and reduction. p. 185-201.

Seward, A. C. Climate as tested by fossil plants p. 203-212.

Bamford, A. J. On a small anemometer for tropical use. p. 213-219.

Simpson, G[eorge] C[larke]. Chief result of the meteorological observations made on Captain Scott's British antarctic (Terra Nova) expedition 1911 and 1912. p. 221-227.

Hon. F. A. Rollo Russell. p. 246-247. [Obituary.]

Royal society. Proceedings. London. ser. A. v. 90. 1914.

Schuster, Arthur. On Newcomb's method of investigating periodicities and its application to Brückner's weather cycle. p. 349-355.

Scottish geographical magazine. Edinburgh. v. 30. July, 1914.

Wallis, B. C. Geographical aspects of climatological investigations. p. 356-369.

South African journal of science. Capetown. v. 10. March, 1914.

Juritz, Charles Frederick. Chemical composition of rain in the Union of South Africa. p. 170-193.

Tokyo mathematico-physical society. Proceedings. Tokyo. 2 ser. v. 7. April, 1914.

Terada, T. On a typical form of isobar. p. 258-264.

U. S. Bureau of standards. Bulletin. Washington. v. 10. April 15, 1914.

Stillman, M. H. Note on the setting of a mercury surface to a required height. p. 371-374.

Washington academy of sciences. Baltimore. v. 4. July 19, 1914.

Humphreys, W[illiam] J[ackson]. American temperatures and European rainfall. p. 345-347.

Association française pour l'avancement des sciences. Comptes rendus. 42 session, Tunis, 1913. Paris. 1914.

Turpaine, Albert. A propos des paratonnerres de grande conductibilité et de leur efficacité comme paragraphe. p. 236-241.

Lalin, Michel. Influence de la forêt sur la température d'un courant aérien. p. 242-243.

Ciel et terre. Bruxelles. 35 année. Juin 1914.

Vandevyver. Les nouvelles cartes synoptiques du "Weather Bureau" de Washington. p. 169-172.

Lyons. Observatoire. Bulletin. St. Genis-Laval. 1 année. Juin 1914.

Vermorel, [V.]. L'assurance contre la grêle. p. 216-223.

Bavaria. K. meteorologische Centralstation. Deutsches meteorologisches Jahrbuch. München. 1913.

Huber, Anton. Das Klima der Zugspitze. Anhang L. p. 1-62.

Finska Vetenskaps-Societetens. Öfversigt af Vörhandlingar. Helsingfors. Bd. 55. Afsl. A. 1912-1913.

Johansson, Osc. V. Dämpfende Wirkungen des Schnees und Eises auf die Lufttemperatur. p. 1-64. (no. 11.)

Johansson, Osc. V. Einige Studien über die monatlichen Temperaturextreme. p. 1-114. (no. 17.)

Leipzig. Geophysikalisches Institut der Universität. Veröffentlichungen. Leipzig. 2. ser. H. 5. 1914.

Hesselberg, Th., & Sverdrup, H. U. Das Beschleunigungsfeld bei einfachen Luftbewegungen. p. 117-146.

Meteorologische Zeitschrift. Braunschweig. Band 31. Juni 1914.

Durig, A[rnold]. Die Bergkrankheit. p. 257-265.

Einige Resultate der meteorologischen Beobachtungen auf dem Sonnenblickgipfel 3,105 m. (1837-1913.) p. 265-270.

Fowle, F[rederick] E[ugene]. Die Durchlässigkeit der Atmosphäre für Strahlung. p. 270-275.

Brask, C[ornelis]. Über den Einfluss der Strahlung auf die Wolkenbildung. 275-279.

Kleinschmidt, E[rnst]. Berggipfel und freie Atmosphäre. p. 284-286.

Elsner, G[eorg] v. Zur Frage des Temperaturunterschiedes zwischen der Luft auf Berggipfeln und der freien Atmosphäre in gleicher Höhe. p. 286-287.

Dobisch, Hermann. Das Doppelthermometer als Verdunstungsmesser. p. 287-290.

Arndt, Arvid. Eine Methode, auf der Karte die Verhältnisse in der Vertikalen darzustellen. p. 292-293.